PTO/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/802,160 Filing Date TRANSMITTAL March 17, 2004 First Named Inventor **FORM** Jennifer Stone-Sundberg Art Unit 2812 **Examiner Name UNASSIGNED** (to be used for all correspondence after initial filing) Attorney Docket Number 1035-BI4309 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance Communication to TC Fee Transmittal Form Drawing(s) Appeal Communication to Board Licensing-related Papers of Appeals and Interferences Fee Attached Appeal Communication to TC Petition (Appeal Notice, Brief, Reply Brief) Amendment/Reply Petition to Convert to a **Proprietary Information** After Final **Provisional Application** Power of Attorney, Revocation Status Letter Affidavits/declaration(s) Change of Correspondence Address Other Enclosure(s) (please Identify Terminal Disclaimer **Extension of Time Request** below): Form PTO-1449 (3 pgs); Cited Request for Refund **Express Abandonment Request** References (19); Return Receipt CD, Number of CD(s) Post Card Information Disclosure Statement Landscape Table on CD Certified Copy of Priority Remarks Document(s) CUSTOMER NO.: 34456 Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Name ARSON & ABEL, LLP Signature Printed name Ahel Date Reg. No. 36,079 CERTIFICATE OF TRANSMISSION/MAILING

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# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):

Jennifer Stone-Sundberg, et al.

Title:

OPTICAL SPINEL ARTICLES AND METHODS FOR FORMING SAME

Application No.: 10/802,160

Filed:

March 17, 2004

Examiner:

UNASSIGNED

Group Art Unit: 2812

Atty. Docket No.: 1035-BI4309

COMMISSIONER FOR PATENTS PO Box 1450 Alexandria, VA 22313-1450

# INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Dear Sir:

Pursuant to 37 C.F.R. § 1.56, § 1.97 and § 1.98, the undersigned brings the patents, publications, applications or other information identified in the attached:

Form(s) PTO/SB/08A and/or PTO/SB/08B or PTO/1449

Other: n/a

to the Examiner's attention in the above-identified application. Citation of such information shall not be construed as:

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- a representation that a search has been made, other than as described below; or 2.
- an admission that the information cited herein is, or is considered to be, material 3. to patentability as defined in § 1.56(b).

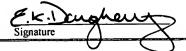
For each item of information listed that is not in the English language, the undersigned has provided a concise explanation of the relevance, such as through (i) an English language abstract, (ii) an English language equivalent application, (iii) reference to discussion in the application, or (iv) if cited in a search report or other action by a foreign patent office in a counterpart foreign application, an English language version of the search report or action that indicates the degree of relevance found by the foreign office.

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Elise K. Dougherty

Typed or Printed Name



1

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	If the	above-identified application is an original application filed on or after
May 2	29, 2000	
		each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in § 1.56(c) more than thirty days prior to the filing of this Information Disclosure Statement.
		FEES DUE
	This In	nformation Disclosure Statement is being filed:
		within three months of the filing date of a national application or within three months of entry of the national stage as set forth in § 1.491 in an international application. Therefore, no fee is required.
		before the mailing date of a first Office action on the merits or before the mailing date of a first Office action after the filing of a request for continued examination under § 1.114. Therefore, no fee is believed required.
		during the period specified in § 1.97(c). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.
		during the period specified in § 1.97(c). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal.
		during the period specified in § 1.97(d). Accordingly, the fee set forth in § 1.17(p) is required and provided as shown on the attached Fee Transmittal. Additionally, each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application not more than three months prior to the filing of this Information Disclosure Statement.

Should any PTO fees be necessary for entry of this Information Disclosure Statement, the undersigned hereby authorizes the Commissioner to charge Deposit Account <u>50-2469</u>.

Respectfully submitted,

Jeffred Abel, Reg. No. 36,079

Attorney for Applicant(s)

TOLER, LARSON & ABEL, L.L.P.

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PTO/SB/08A (08-03)

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Substitute for form 1449/PTO

Sheet 1

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known					
Application Number	10/802,160				
Filing Date	March 17, 2004				
First Named Inventor	Jennifer Stone-Sundberg				
Art Unit	2812				
Examiner Name	UNASSIGNED				
Attorney Docket Number	1035-BI4309				

F	0:4=	D	Publication Date	Name of Patentee or	Bases Calumna Lines Whose
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (# known)</sup>	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US- 3,625,868	12/07/1971	Grabmaier et al.	
<u> </u>	AB	<sup>US-</sup> 3,736,158	05/29/1973	Cullen et al.	
	AC	<sup>US-</sup> 3,816,906	06/18/1974	Falckenberg	
	AD	<sup>US-</sup> 3,883,313	05/13/1975	Cullen et al.	
	AE	<sup>US-</sup> 3,885,978	05/27/1975	Doi et al.	
-	AF	<sup>US-</sup> 3,990,902	11/09/1976	Nishizawa, et al.	
	AG	<sup>US-</sup> 3,950,504	04/13/1976	Belding et al.	
	AH	US- 4,370,739	01/25/1983	Wang et al.	
	Al	<sup>US-</sup> 4,755,314	07/05/1988	Sakaguchi et al.	
	AJ	<sup>US-</sup> 5,138,298	08/11/1992	Shino	
	AK	<sup>US-</sup> 5,850,410	12/15/1998	Kuramata	
	AL	<sup>US-</sup> 6,533,874 B1	03/18/2003	Vaudo et al.	
	AM	<sup>US-</sup> 2003/0188678 A1	10/09/2003	Kokta et al.	
	AN	US- 6,839,362 B2	01/05/2005	Kokta et al.	
	AO	US- 6,844,084 B2	01/18/2005	Kokta et al.	
	AP	US- 3,424,955	01/28/1969	Seiter et al.	
	AQ	US-			
	AR	US-			
	AS	US-			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
		Country Code <sup>3</sup> "Number <sup>4</sup> "Kind Code <sup>5</sup> ( <i>if known</i> )	MM-DD-YYYY	,,	Or Relevant Figures Appear	T <sup>6</sup>		
	AT	FR 1,471,976	03/24/1966	Siemens Aktiengesellsc.	Corr. 3,424,955			
	AU	JP 11-157997	06/15/1999	Kyocera Corporation	Abstract Only			
	AV	JP 09-278595	10/28/1997	Sumitomo Elect. Ind. Ltd.	Abstract Only			
	AW	JP 62-188325	08/17/1987	Sumitomo Elect. Ind. Ltd.	Abstract Only			
	AX	JP 58-211736	12/09/1983	Toshiba Corporation	Abstract Only	L		
	AY	JP 07-307316	11/21/1995	Sumitomo Elect. Ind. Ltd.	Abstract Only			

	 ·		
Examiner		Date	
Signature		Considered	

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Complete if Known Substitute for form 1449/PTO **Application Number** 10/802,160 Filing Date March 17, 2004 INFORMATION DISCLOSURE First Named Inventor Jennifer Stone-Sundberg STATEMENT BY APPLICANT Art Unit 2812 (Use as many sheets as necessary) **Examiner Name UNASSIGNED** 1035-BI4309

Attorney Docket Number

Sheet 2

			U. S. PATENT D		
Examiner Initials*	Cite No.1	Document Number  Number-Kind Code <sup>2 (f known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	ВА	US-			
	ВВ	US-			
	вс	US-			
	BD	US-			
	BE	US-			
	BF	US-			
	BG	US-			
	ВН	US-			
	BI	US-			
	BJ	US-			
	ВК	US-			
	BL	US-			
	ВМ	US-			
	BN	US-			
	ВО	US-			
	BP	US-			
	BQ	US-			
	BR	US-			
	BS	US-			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages			
		Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY		Or Relevant Figures Appear	Τ°		
	вт	EP 0 762 930 B1	07/12/2000	BP Amoco Corporation				
	BU	EP 0 263 171 B1	11/25/1992	UOP				
	BV	WO 01/99155 A2	12/27/2001	Nichia Corporation				
	BW	WO 02/95887 A2	11/28/2002	SG Ceramics & Plastics Inc.				
	ВХ					L		
	BY				1	Г		

Examiner	Date	
Signature	Considered	
Cignature		

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Substitu	te for form 1449/PTO			Complete if Known		
Cascina				Application Number	10/802,160	
INF	ORMATION	DIS	CLOSURE	Filing Date	March 17, 2004	
STA	TEMENT E	BY A	PPLICANT	First Named Inventor	Jennifer Stone-Sundberg	
	(ilsa as many sha	ote ae n	ecessary)	Art Unit	2812	
(Use as many sheets as necessary)				Examiner Name	UNASSIGNED	
Sheet	3	of	3	Attorney Docket Number	1035-BI4309	

		NON PATENT LITERATURE DOCUMENTS	<del></del>
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Giess et al., "Growth of Single Crystal MgGa2O4 Spinel", IBM TECHNICAL DISCLOSURE BULLETIN, Vol. 15, no. 1, June 1972, pgs 151-152, XP-002315746.	
	СВ	Anon., "Spinel Crystals for Electronic Devices", MANUFACTURING TECHNOLOGY NOTE, Vol. NTN-77, no. 0735, April 1977, XP-002315747.	
	cc	Grabmaier et al., "Czochralski Growth of Magnesium-Aluminum Spinel", J. AMERICAN CERAMIC SOCIETY, Vol. 51, no. 6, June 1968, pgs 355-356, XP-002315185.	
	CD.	Wyon et al., "Czochralski Growth and Optical Properties of Magnesium-Aluminum Spinel Doped with Nickel", JOURNAL OF CRYSTAL GROWHT, NORTH-HOLLAND PUBLISHING CO. AMSTERDAM, NL, Vol. 79, no. 1-3, part 2, 1986, pgs 710-713, XP-002250057.	
	CĖ	Pinckney, L.R., "Transparent, high strai point spinel glass-ceramics", JOURNAL OF NON-CRYSTALLINE SOLIDS, Vol. 255, pp. 171-177, 1999.	
	CF.	Nakamura, S. "Current Status and Furture Prospects of InGaN-Based Laser Diodes", ISAP INTERNATIONAL, Vol. 1, pgs. 5-17, 2000.	
	cĢ	Kisailus D., et al., "Growth of Epitaxial GaN of LiGaO2 Substrates Via a Reaction With Ammonia", J. MATER. RES., Vol. 16, no. 7, pgs 2077-2081, 2001.	
	CH-	Nakamura, S., et al., "InGaN MQW LDs Grown on MgAl2O4 Substrates," In THE BLUE LASER DIODE, (NY: Springer-Verlag), pp. 233-243, 1997 (update included).	
	СІ	Mordoc, H., et al., "Large-band-gap SiC, III-V nitride, and II-vi ZnSe-based Semiconductor Device Technologies", J. APPL. PHYS., Vol. 76, no. 3, pgs 1363-1398, 1994.	
	Cì		

Examiner	Date	
Signature	Considered	

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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